Appointment

From: Frank, Matt [frank.matthew@epa.gov]
Sent: 4/13/2021 6:45:29 PM
To: Hancharick, Ryan [Hancharick.Ryan@epa.gov]; Rowsey, Kevin [rowsey.kevin@epa.gov]

Subject: GIS Request for a UIC Well Map Over Seneca Nation Land
Location: Microsoft Teams Meeting

Start: 4/14/2021 7:00:00 PM
End: 4/14/2021 7:30:00 PM
Show Time As: Tentative

Required Attendees: Hancharick, Ryan; Rowsey, Kevin

Microsoft Teams meeting

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Look at a preliminary map and discuss options.

From: Hancharick, Ryan <Hancharick.Ryan@epa.gov>
Sent: Tuesday, April 13, 2021 2:38 PM
To: Frank, Matt <frank.matthew@epa.gov>
Subject: RE: GIS Request for a UIC Well Map Over Seneca Nation Land

Hi Matt,

Thanks for taking care of this project. I am available pretty much all afternoon tomorrow (1-5) so whatever works for you is fine with me. If you don't mind, I extended the invitation to my team lead (Kevin Rowsey) as well just in case he has any specific questions or comments.

From: Frank, Matt <frank.matthew@epa.gov>
Sent: Tuesday, April 13, 2021 2:27 PM
To: Hancharick, Ryan <Hancharick.Ryan@epa.gov>
Subject: RE: GIS Request for a UIC Well Map Over Seneca Nation Land

Hi Ryan,

Thanks again for reaching out to the GIS Team! I've been assigned to create the map you requested. I created a draft and have a few questions that a quick teams meeting would be a better way to answer. Do you have some time available tomorrow?

Thanks,

- Matt

Matthew Frank
Sr. GIS Analyst/Contractor Team Lead
215.814.5354 | frank.matthew@epa.gov
1650 Arch St. 3LS10, Philadelphia, PA 19103
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From: Hancharick, Ryan <Hancharick.Ryan@epa.gov>
Sent: Monday, April 12, 2021 12:51 PM
To: Evans, Don <Evans.Don@epa.gov>
Cc: DeNardi, Kristopher <DeNardi.Kristopher@epa.gov>; Forren, John <Forren.John@epa.gov>
Subject: RE: GIS Request for a UIC Well Map Over Seneca Nation Land

Good afternoon,

I have attached the shape file for the Seneca Nation land and the coordinates for the well are: Latitude 41° 49' 50.11" Longitude -78° 34' 54.26". To answer your additional information questions:

The deliverable we are seeking is a PDF.

- No need for a paper map
- A topo map with surface water features would serve best as the base map
- Title: "Catalyst Well in Upper Allegheny Watershed"
- A radius expanded to 50 miles would work best beyond the perimeter
- The features included on the attached shape file would be great to include on the map. The shaded watershed area, the Allegheny River, and the Seneca Nation territory in Salamanca, NY would also be useful (from the attached PDF).
- It would be great if we can get this by the end of this week (4/16) since the meeting with the Nation is on 4/21.

Please let me know if there is any additional information you need or any further questions or concerns arise. I am not sure that the shape file is in the correct format but that was what was provided to me, so please let me know if I need a different copy. Thank you.

From: Rowsey, Kevin <rowsey.kevin@epa.gov>
Sent: Monday, April 12, 2021 10:44 AM
To: Hancharick, Ryan <Hancharick.Ryan@epa.gov>; Bryant, Renee <bryant.renee@epa.gov>
Subject: RE: GIS Request for a UIC Well Map Over Seneca Nation Land

Ryan, I responded to Don's questions below in red. I attached the pdf of Seneca's Upper Allegheny Watershed map in case you don't already have it.

Thanks for doing this!

Kevin Rowsey
Source Water & UIC Section
Water Division
U.S. EPA Region III
1650 Arch Street
Philadelphia, PA 19103
Phone: 215.814.5463

From: Hancharick, Ryan <Hancharick.Ryan@epa.gov>
Sent: Monday, April 12, 2021 10:30 AM
To: Rowsey, Kevin <rowsey.kevin@epa.gov>; Bryant, Renee <bryant.renee@epa.gov>
Subject: FW: GIS Request for a UIC Well Map Over Seneca Nation Land

Hi Kevin and Renee,

I just heard back from the GIS coordinator and the group has some questions about specifics for the map regarding Seneca Nation land in reference to the Roulette well. Please take a look at the forwarded message and we can either meet to go through these questions or just let me know what you think would be best and I will follow up. Thanks.

From: Evans, Don <Evans.Don@epa.gov>
Sent: Monday, April 12, 2021 10:23 AM
To: Hancharick, Ryan <Hancharick.Ryan@epa.gov>; DeNardi, Kristopher <DeNardi.Kristopher@epa.gov>
Cc: Forren, John <Forren.John@epa.gov>
Subject: RE: GIS Request for a UIC Well Map Over Seneca Nation Land

Good morning, Ryan .. we would be glad to have a look at your request. If you can forward me the coordinates of the proposed injection well and that shape file of the site, we'll see how much work will be required. A few of other pieces of information I need from you to help get us going:

- What sort of "deliverable" are you seeking … a paper map … a PDF … a JPEG … something else?***[Rowsey, Kevin]*** I would say we would just need a PDF. I don't think there's a need for a paper map.
- If you want a paper map, how large do you want us to make it?***[Rowsey, Kevin]*** No need for a paper map.
- Do you have a preference for a base map? We have topographic maps, street maps, aerial and satellite photos, and several others from which to choose. If you aren't sure we can set up a screen share meeting so you can see your options.***[Rowsey, Kevin]*** This would probably just need to be a topo map with surface water features on it.
- Do you have a preferred "title" for the map?***[Rowsey, Kevin]*** Maybe just name is Catalyst Well in Upper Allegheny Watershed
- How far beyond the perimeter of the land of interest would you like the map to show … none (just show the land of interest) … a mile .. 10 miles … something else?***[Rowsey, Kevin]*** This question is a little tricky. I checked

google earth and its about 30 miles from the well to the Seneca nation territory on the Allegheny. I would say to just expand it to a radius of 50 miles... That should work I think.

- Is there anything else that you've seen on other maps that you would like us to try to include?***[Rowsey, Kevin]*** If they're using that shapefile that you provided, it would be great if they could include the features that were included on that map. Maybe attach Seneca Nation's pdf and see if they could include features from that like the shade watershed area, the Allegheny River and the Seneca Nation territory in Salamanca, NY.
- Do you have a deadline that needs to be factored into our ability to meet that date?***[Rowsey, Kevin]*** It'd be great if we could get it by the end of this week (4/16) since our meeting with Seneca is on 4/21.

Once we get all the preliminary information collected we'll start on a draft map and forward that to you. You can ask us to make changes to suit your needs and we can do a few "back and forth" sessions .. within reason, of course .. and at the end we'll ask you to sign off on the final version so we can close our work orders and comply with our project tracking requirements.

Thanks!

-- DE

Don Evans
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(p) 215-814-5370

Please consider your environmental responsibility. Before printing this e-mail message, ask yourself whether you really need a hard copy.

From: Evans, Don <Evans.Don@epa.gov>
Sent: Monday, April 12, 2021 10:10 AM
To: R3 AST <R3_AST@epa.gov>
Subject: FW: GIS Request for a UIC Well Map Over Seneca Nation Land

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From: DeNardi, Kristopher <DeNardi.Kristopher@epa.gov>
Sent: Monday, April 12, 2021 9:52 AM
To: Hancharick, Ryan <Hancharick.Ryan@epa.gov>
Cc: Evans, Don <Evans.Don@epa.gov>
Subject: RE: GIS Request for a UIC Well Map Over Seneca Nation Land

Hey Ryan,

I'm routing your request to our GIS Coordinator(Don Evans) and he will get you set up!

Thanks for reaching out,
Kris

From: Hancharick, Ryan <Hancharick.Ryan@epa.gov>
Sent: Thursday, April 08, 2021 11:18 AM

To: DeNardi, Kristopher <DeNardi.Kristopher@epa.gov>
Subject: GIS Request for a UIC Well Map Over Seneca Nation Land

Good morning,

I am in the UIC Section of the Water Division and looking to have a map created for an upcoming consultation with the Seneca Nation showing a proposed injection well site over their land of interest. Also, any headwaters of perennial streams that may be located within / near the land of interest should probably be included in the map. I have a shape file for the Seneca Nation's land of interest and also have the coordinates of the proposed injection well, and I was given your contact information by a colleague. Would you please point me in the right direction of who to go to for this project? Thanks in advance, and please let me know if you have any questions or need any further information.

Ryan Hancharick

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